

# ULC-1-75

## Universal LNB Controller

**Reference:** 1: 10 MHz reference

**Connector Type:** 75: F-Connector

**Control Interface Option:** Blank: Switch Control Only



## KEY SPECIFICATIONS

|                        |                                   |
|------------------------|-----------------------------------|
| CI Option Logic Levels | L: 0 - 0.8 V; H: 2.5 - 7 V (20mA) |
| Reference Signal       | 10MHz internal                    |
| Tone Amplitude         | 0.55 ~ 0.9 vpp                    |
| Tone Frequency         | 20 ~ 24 kHz                       |

## RF SPECIFICATIONS

|             |              |
|-------------|--------------|
| Output VSWR | 2.0 : 1 max. |
|-------------|--------------|

## ELECTRICAL SPECIFICATIONS

|                     |                 |
|---------------------|-----------------|
| Current Consumption | 600 mA/24 V     |
| Output Current      | 500 mA max.     |
| Output Voltage 1    | 12.5 ~ 13.5 VDC |
| Output Voltage 2    | 17.3 ~ 18.7 VDC |
| Power Requirements  | +23 to +25 V DC |

## INTERFACE SPECIFICATIONS

|                    |   |
|--------------------|---|
| Connector          | F-Connector   |
| Control Interface  | Switch, Cable, Line Length Compensation with switch |
| RF Input Connector | 75 Ohm F Connector                                  |

## ENVIRONMENTAL SPECIFICATIONS

|                         |                |
|-------------------------|----------------|
| IP Rating               | IP 66          |
| Temperature Operational | -30°C to +60°C |

## PHYSICAL SPECIFICATIONS

|                |         |
|----------------|---------|
| Product Height | 30 mm   |
| Product Length | 130 mm  |
| Product Weight | 0.66 kg |



Product Width

95 mm

### LOGISTICS SPECIFICATIONS

| HS Code    | Country of Origin | Ex Works             | ECCN Number | Unit Package |
|------------|-------------------|----------------------|-------------|--------------|
| 8517690000 | Made in Canada    | Richmond, BC, Canada | EAR99       |              |

### HOW TO ORDER

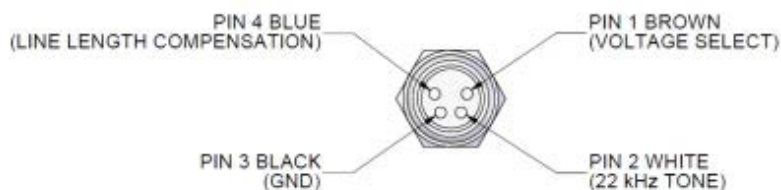


### MECHANICAL DIAGRAMS





## BAND SELECTION



LNB Controller Connector End View  
Mating Connector Part Number: Binder 79-3382-42-04

| 22kHz Tone | Voltage | Line Length Compensation | Output     |
|------------|---------|--------------------------|------------|
| L          | L       | L                        | 13V        |
| L          | H       | L                        | 18V        |
| L          | L       | H                        | 14V        |
| L          | H       | H                        | 19V        |
| H          | L       | L                        | 13V + tone |
| H          | H       | L                        | 18V + tone |
| H          | L       | H                        | 14V + tone |
| H          | H       | H                        | 19V + tone |